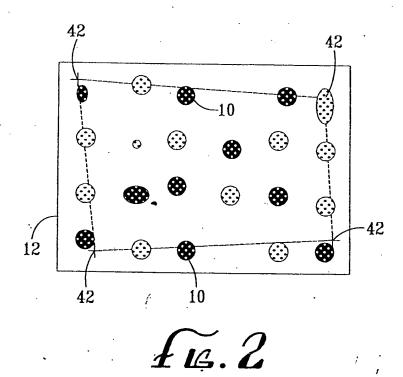


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GENERATE A SECOND
POSITION UPDATE OR
A FUNCTION OF A
GEOMETRIC ARRANGEMENT
OF THE GRID POINTS
NEIGHBORS IN THE
GRID

-58

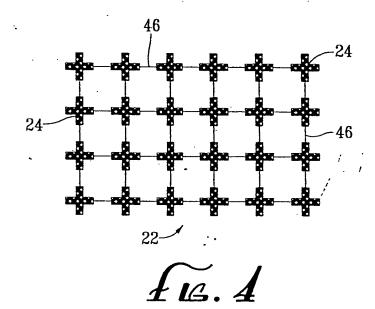
-60

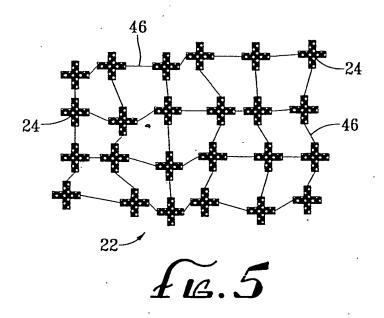
UPDATE POSITION
OF THE GRID POINT
WITH THE FIRST
AND SUM OF
POSITION UPDATES

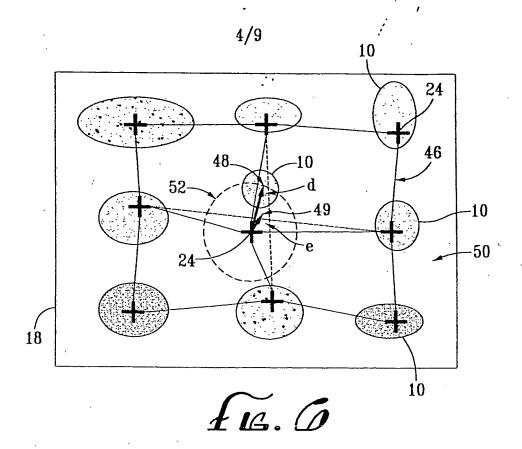
Fig. 3B

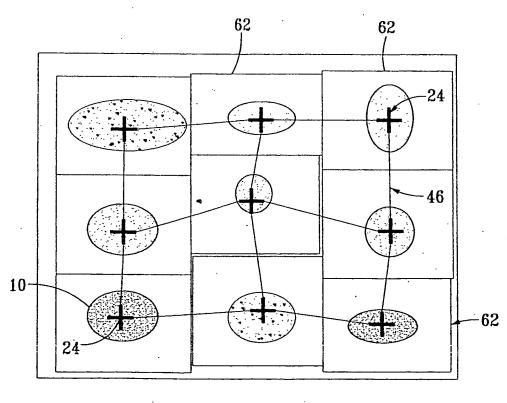
STORE IMAGE FRAME INCLUDING -16 DNA SPOT IMAGES IN MEMORY SELECT A -20 SET OF DNA SPOT IMAGES IN THE FRAME GENERATE GRID INCLUDING GRID POINTS CORRESPONDING -26 TO SELECTED SPOT IMAGES ADJUST POSITION OF ONE OR MORE GRID POINT TO MOVE THEM -28 TOWARD THEIR CORRESPONDING DNA SPOT IMAGES SEGMENT THE IMAGE FRAME INTO SEGMENTS DEFINED BY GRID POINT -30 POSITIONS, EACH SEGMENT INCLUDING A DNA SPOT IMAGE QUANTIFY DNA SPOT IMAGE INFO TO OBTAIN -32 IMAGE CHARACTERISTIC VALUES, INCLUDING GENE EXPRESSION VALUES

Fig. 3A

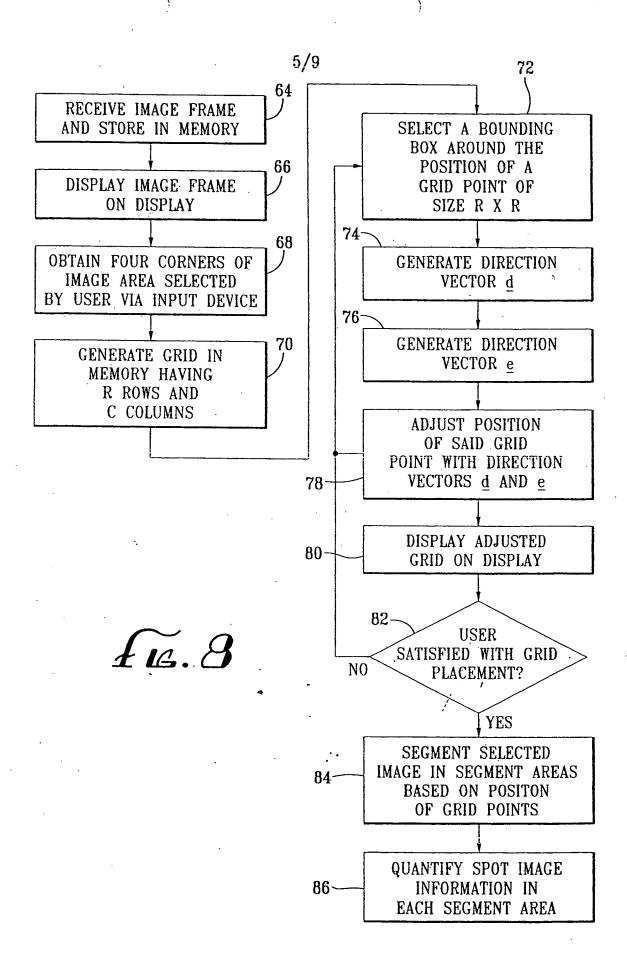


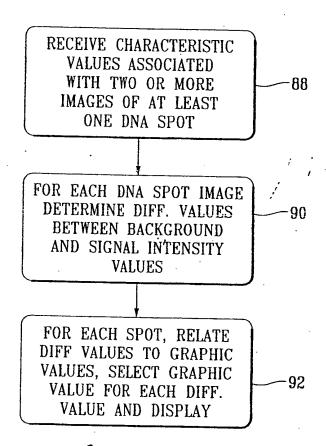






F16.7





£16.9

